

U. S. Fish Comm., p. 650, 1871-72, says: "Has not been found east of the Kennebec River, Maine.

Solariella obscura (Couth.), var. *bella* Verk.

Machaeroplax obscura var. *bella* Verrill, Trans. Conn. Acad. v, p. 531. A few dredged off Ironbound Island, and identified for us by Prof. Verrill and Miss Bush. "Variety '*bella*' is the predominant form at Eastport, Me., and in the Bay of Fundy."—Verrill, *op. cit.*

Tonicella blaneyi Dall.

For description see Pro. Biol. Soc., Wash., vol. xviii, p. 203, and NAUTILUS, vol. xix, no. 8, p. 88, pl. iv, 1905. Dredged near station 22, in about 20 fathoms.

The following species, whose occurrence in Frenchman's Bay was based on the finding of dead specimens or valves, have since been found alive:

Thracia truncata Mighels and Adams.

Pandora (*Clidiophora*) *gouldiana* Dall. Off Ryefield Point and Heron Island; 10 fathoms.

Esis directus (Conrad). Off Ryefield Point, 10-15 fathoms; shelly mud. Our live specimens usually cut in two by the dredge.

Velutina zonata Gould. Off Ryefield Point, Aug., 1905.

Marsenina glabra (Couth.) Station 19, 20 fathoms. Verrill, *op. cit.*, p. 5, 7, says: "This species is not uncommon at Eastport, Me."

DESCRIPTION OF NEW SPECIES OF ACHATINELLIDAE FROM THE
HAWAIIAN ISLANDS.

BY D. D. BALDWIN.

Partulina flemingi, n. sp.

Shell dextral, minutely perforated, somewhat solid, elongately conical, apex acute; surface shining, striated with delicate incremental striæ, and under a lens exhibiting very close delicate decussating spiral lines which extend almost to the apex. Color white or brownish-white, with two dark-brown bands, one bordering the suture, and one at the periphery continued on the spire just above the suture; in many examples the sutural band is absent. Whorls 6, narrowly

margined above, somewhat convex; suture moderately impressed. Aperture oblique, oval, white, the outside band visible within. Peristome acute, slightly thickened within, dark-brown, the columellar margin reflexed over the minute perforation. Columella terminating in a strong, plaited, pinkish-brown, projecting tooth.

Length, 19; diam., 9 mm.

Habitat, Nahiku, East Maui.

Animal when extended in motion as long as the shell. Mantle intensely black with a narrow white band encircling the outer edge. Foot above and below very light-brown, granulated above. Tentacles long and slender, slate color.

There occurs also a pure-white form of the shell without any bands.

We dedicate this shell to Mr. D. T. Fleming of Maui, to whom science is indebted for its discovery.

Partulina lemmoni, n. sp.

Shell sinistral, imperforate, solid, acuminate ovate conic, apex acute; surface shining, striated with fine growth-lines, and under a lens showing close, delicate, decussating spiral striæ; nuclear whorls smooth. Color white, variously striped with numerous dark-brown lines and bands, the constant ones being two broad bands, one encircling the base, and the other at the periphery, continued on the middle whorls above and below the suture, obsolete above; apex white. Whorls 7, narrowly margined above, convex; sutures deeply impressed. Aperture oblique, oval, white, exhibiting the outside coloring within. Peristome acute, thickened within, narrowly reflexed. Columella terminating in a long, flexuous, white plait.

Length, 23; diam., $11\frac{1}{2}$ mm.

Habitat, Nahiku, East Maui.

Animal in motion as long as the shell. Mantle brownish-black, mottled with white streaks, with a broad yellowish-brown border somewhat interrupted. Foot above and below very light-brown. Tentacles slate color.

Named in honor of Mr. N. E. Lemmon, of Nahiku, who discovered it.

Partulina carnicolor, n. sp.

Shell dextral, minutely perforated, solid, acuminate oval conic, apex subacute; surface lusterless, marked with delicate incremental

striae, and under a lens exhibiting a fine pattern of decussating spiral striae; nuclear whorls faintly decussated. Of a uniform brown color, a narrow white line below the periphery, which enters the aperture, and a very narrow white line traversing the suture. Whorls 6, slightly marginate above, a little convex; suture lightly impressed. Aperture oblique, oval, livid-white, showing the exterior coloring within. Peristome acute, expanded, columellar column broadly reflexed. Columella white, terminating in a well developed, flexuous fold.

Length, 25; diam., 14 mm.

Habitat, Naliiku, East Maui.

Partulina kaaeana, n. sp.

Shell sinistral, subperforated, solid, globose, with a conical spire, apex subacute; surface rather lusterless, covered with rather coarse, wavy growth-lines, and under a lens exhibiting close and delicate decussating spiral lines; nuclear whorls faintly decussated. Color ashy-brown, with a light brown band just below the periphery and entering the aperture; whole surface covered with minute longitudinal white flecks or streaks; apex tessellated white and brown. Whorls 6, not margined above, flatly convex; suture lightly impressed. Aperture a little oblique, oval, livid-white, showing the outside coloring within. Peristome acute, slightly thickened within, expanded, columellar margin reflexed, light brown on both face and the reverse. Columella white, terminating in a strong, plaited, projecting tooth.

Length, 21; diam., 13 mm.

Habitat, Mt. Helu, 4000 ft. alt., West Maui.

Animal extended in motion longer than the shell. Mantle brownish-black, with outer edge bordered with a narrow white line. Foot below and side light slate color. Head above and tentacles dark slate and granulated.

This shell was found on a mountain-peak quite isolated from the main mountain mass of West Maui. We dedicate it to Mr. W. F. Kaae, who seems to have been the only one in quest of shells who has ventured to climb this lonely peak. He found the shell in company with *Perdicella ornata* Ne. a species supposed long since to have become extinct.

(To be continued.)